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June 23, 2005

Certificate
JUL 0 1 2005
of Correction

Certificate of Correction Branch Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Re:

United States Patent for Striated Belt, Its Manufacturing Method

and the Associated Drive System

Application No. 10/034,818; Filed December 27, 2001

Patent No. 6,896,634; Issued May 24, 2005

Our File 033339/242494

Sir:

It is respectfully requested that a Certificate of Correction be issued for the above-identified patent, in accordance with 37 C.F.R. §1.322. This request is made in order to correct the mistakes incurred through the fault of the United States Patent and Trademark Office ("USPTO").

As supporting evidence for the enclosed Certificate of Correction, Applicant encloses a copy of the Terminal Disclaimer filed with the USPTO on March 9, 2004. This Terminal Disclaimer is a part of the image file wrapper on the USPTO website. Applicant also encloses a copy of the face page of each priority patent with the French foreign priority highlighted. This application is a divisional application and the certified priority document was filed in the parent application 08/934,160. The copy of the Declaration from the parent application filed in this application contains the French priority.

The mistakes appearing in the patent are set forth on the Certificate of Correction enclosed herewith, with an additional copy thereof and a postal card being enclosed in accordance with the present USPTO practice.

Respectfully submitted,

Raymond O. Linker, Jr. Registration No. 26,419

/kc Enclosures CLT01/4717277v1

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO. :

6,896,634 B2

Page 1 of 1

DATED

May 24, 2005

INVENTOR(S):

Winninger et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page,

Item (*) Notice, insert the following:

-- This patent is subject to a terminal disclaimer.--;

After Item (62), "Related U.S. Application Data", insert the following:

--(30) Foreign Application Priority Data

Sep. 20, 1996 [FR] France96 11487--.

MAILING ADDRESS OF SENDER:

PATENT NO.

6,896,634 B2

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FORM PTO 1050 (REV. 3-82)

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US006497832B1

(12) United States Patent Winninger et al.

(10) Patent No.: US 6,497,832 B1

(45) Date of Patent: I

Dec. 24, 2002

(54)	METHOD FOR MANUFACTURING A		
` '	STRIATED BELT		

- (75) Inventors: Alain Winninger, Tours (FR); Jean
 Claude Sedilleau, Chambray les Tours
 (FR); Jean-Jacques Robert, Monnaie
 (FR)
- (73) Assignee: Hutchinson, Paris (FR)
- (*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.
- (21) Appl. No.: 09/388,900
- (22) Filed: Sep. 2, 1999

Related U.S. Application Data

(62) Division of application No. 08/934,160, filed on Sep. 19, 1997, now Pat. No. 6,033,331.

(30) Foreign Application Priority Data

Sep. 2	0, 1996	(FR)	•••••	96 11487
(51)	Int. Cl. ⁷		B29D 29/00; F	16G 1/16

(56) References Cited

U.S. PATENT DOCUMENTS

5/1949	Engard et al.
4/1950	Simmons et al.
12/1952	Hawkins
* 10/1971	Richmond 156/141
	4/1950 12/1952

4,019,399 A	+	4/1977	Waugh 74/231 C
4,079,633 A	*	3/1978	Cheema et al 74/229
4,137,787 A	*	2/1979	Waugh 74/223
4,139,406 A	*	2/1979	Richmond et al 156/140
4,229,253 A	*	10/1980	Cronin 162/358
4,305,714 A	*	12/1981	Renshaw 474/250
4,379,011 A	*	4/1983	Henderson 156/140
4,470,500 A	*	9/1984	Howerton 198/847
4,530,684 A	*	7/1985	Miranti, Jr 474/264
4,701,377 A		10/1987	Kurita et al.
4,822,324 A		4/1989	Georget
5,066,344 A	*	11/1991	Inami et al 156/138
5,643,378 A	*	7/1997	White, Jr. et al 156/87
5,830,248 A	*	11/1998	Christianson et al 51/295
5,856,004 A		1/1999	Maatman et al.

FOREIGN PATENT DOCUMENTS

EP	285072	10/1988
EP	0 381 281 A2 *	2/1989
EP	381281	8/1990
EP	489298	6/1992
EP	625650	11/1994
FR	2610056	7/1988

* cited by examiner

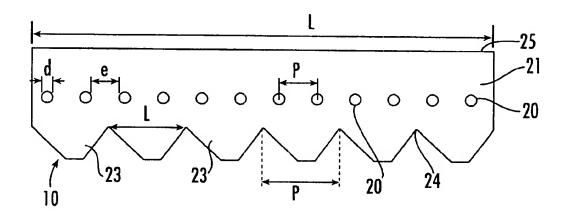
Primary Examiner—Stefan Staicovici

(74) Attorney, Agent, or Firm-Alston & Bird LLP

(57) ABSTRACT

The present invention relates to a power transmission striated belt including an elastomeric matrix (21) and a lengthwise supporting structure consisting of polyamide 4.6 twisted strands (20). The supporting structure (21) is selected so that the stress-elongation diagram of the belt exhibits an average slope ranging from 12 to 20 daN/% of elongation per width centimeter. The twisted strands are wound with an almost null nominal tension, and the curing operation and the cooling operation after curing are carried out without any belt tensioning.

10 Claims, 3 Drawing Sheets





United States Patent [19]

Winninger et al.

[11] Patent Number:

6,033,331

[45] Date of Patent:

Mar. 7, 2000

[54] POWER TRANSMISSION BELT FOR AUTOMOTIVE APPLICATIONS

[75] Inventors: Alain Winninger, Tours; Jean Claude Sedilleau, Chambray les Tours;

Jean-Jacques Robert, Monnaie, all of

France

[73] Assignee: Hutchinson, Paris, France

[21] Appl. No.: 08/934,160

[22] Filed: Sep. 19, 1997

[30] Foreign Application Priority Data

Sep. 20, 1996 [FR] France 96 11487

[51] Int. Cl.⁷ F16G 5/00; F16G 9/00

[52] U.S. Cl. 474/260; 474/263

268; 428/364, 401

[56]

References Cited

U.S. PATENT DOCUMENTS

2,470,810 5/1949 Engard et al. . 2,505,216 4/1950 Simmons et al. .

2,621,529	12/1952	Hawkins .	
4,701,377	10/1987	Kurita et al	428/364
4,822,324	4/1989	Georget	474/268
5,856,004	1/1999	Maatman et al	428/364

FOREIGN PATENT DOCUMENTS

285072	10/1988	European Pat. Off
381281	8/1990	European Pat. Off
489298	6/1992	European Pat. Off
625650	11/1994	European Pat. Off
2610056	7/1988	France .

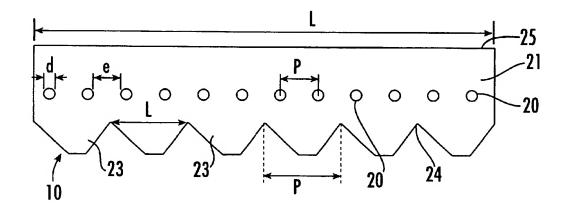
Primary Examiner—Tamara L. Graysay Assistant Examiner—Matthew A. Kaness Attorney, Agent, or Firm—Alston & Bird LLP

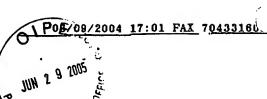
[57]

ABSTRACT

A power transmission striated belt including an elastomeric matrix (21) and a lengthwise supporting structure consisting of polyamide 4.6 twisted strands (20). The supporting structure (21) is selected so that the stress-elongation diagram of the belt exhibits an average slope ranging from 12 to 20 daN/% of elongation per width centimeter. The twisted strands are wound with an almost null nominal tension, and the curing operation and the cooling operation after curing are carried out without any belt tensioning.

9 Claims, 3 Drawing Sheets





Attorney's Docket No. 033339/242494

PATENT

Confirmation No.: 2481

Group Art Unit: 3682 Examiner Marcus Charles

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re:

Winninger et al.

Appl. No.: 10/034,818 Filed:

December 27, 2001

For:

STRIATED BELT, ITS MANUFACTURING

METHOD AND THE ASSOCIATED DRIVE SYSTEM

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

TERMINAL DISCLAIMER UNDER 37 C.F.R. 1.321(c)

I, Raymond O. Linker, Ir., am an attorney of record of the disclaimant, Hutchinson, and am authorized to execute this disclaimer on behalf of Hutchinson. The disclaimant, Hutchinson, having a principal place of business at 2, rue Balzac, 75008 Paris, FRANCE, is the owner of all right, title, and interest in the above-identified application, by Assignment filed March 2, 1998, and recorded at Reel 9020, Frame 832.

The disclaimant hereby disclaims the terminal part of any patent granted on the aboveidentified application which would extend beyond the expiration date of the full statutory term of United States Patent No. 6,033,331, issued March 7, 2000, entitled Power Transmission Belt for Automotive Applications, United States Patent No. 6,497,832, issued December 24, 2002, entitled Method for Manufacturing A Striated Belt, and which patents were assigned to the above-identified disclaimant by an Assignment recorded March 2, 1998, at Reel 9020, Frame 832.

Disclaimant further agrees that any patent so granted on the above-identified application, which is the subject of this disclaimer, shall be enforceable only for and during such period that the legal title to said patent shall be the same as the legal title to U.S. Patent Nos. 6,033,331 and 6,497,832, this agreement to run with any patent granted on the above-identified application and to be binding upon the grantee, its successors, or assigns.

Nothing herein shall be construed as a disclaimer of any tenninal part of any patent granted on the above-identified application which is prior to the expiration of the full statutory In re: Winninger et al. Appl. No.: 10/034,818

Filing Date: December 27, 2001

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term of U.S. Patent Nos. 6,033,331 and 6,497,832 in the event that it later expires for failure to pay a maintenance fee, is held unenforceable, is found invalid, is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321(c), has all claims canceled by a reexamination certificate, or is otherwise terminated prior to expiration of its statutory term as presently shortened by any terminal disclaimer, except for the separation of legal title stated above.

Respectfully submitted,

Date: March 9, 2004

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